

ABSTRACT OF THE DISCLOSURE

A starter motor assembly is provided having a solenoid assembly that includes a pull-in coil that is comprised of a plurality of coils connected in parallel. The plurality of coils may comprise three coils that are formed from a single wire cut and connected to form the pull-in coil. Also provided is a method of making a pull-in coil for a solenoid assembly for a starter motor assembly. The method includes the step of winding a wire down a length of a solenoid coil holder and then back up the length of the solenoid coil holder a plurality of times. Then, the wire is cut at points to form separate coils, each coil then having a first lead and a second lead opposite the first lead. The first leads of the coils are electrically connected together and the second leads of the coils are electrically connected together to form the pull-in coil comprised of multiple coils.

1000 900 800 700 600 500 400 300 200 100 0

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